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PTO/SB/08a (08-03)  
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

### Complete if Known

Application Number	10/038,032
Filing Date	1/2/2002
First Named Inventor	Candelore et al.
Art Unit	2811
Examiner Name	Song, Hosuk
Attorney Docket Number	SNY-R4646.02

Sheet 1 of 1

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
HS		US-5,319,712	08/07/1994	Finkelstein et al.	
		US-5,754,858	05/19/1998	Aucsmith	
		US-6,070,245	05/30/2000	Murphy Jr. et al.	
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		US-2002/0083317	06/27/2002	Ohta et al.	
		US-2003/0002854	01/02/2003	Belknap et al.	
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
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### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
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Examiner Signature	/Hosuk Song/	Date Considered	06/07/2006
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of US PTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Application Number	10/038,032
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First Named Inventor	Candelore et al.
Art Unit	2811
Examiner Name	Song, Hosuk
Attorney Docket Number	SNY-R4646.02

Sheet 1 of 1

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		Number-Kind Code <sup>2</sup> (if known)			
HS ↓ ✓		US-6,246,720	06/12/2001	Kutner et al.	
		US-2001/0030959	10/18/2001	Ozawa et al.	
		US-6,788,690	09/07/2004	Ham	
		US-6,826,185	11/30/04	Montanaro et al.	
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		US-2005/0004875	01/05/2005	Kontio et al.	

**FOREIGN PATENT DOCUMENTS**

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Application Number	10/038,032
Filing Date	1/2/2002
First Named Inventor	Candelore et al.
Art Unit	2611
Examiner Name	Grant, Christopher
Attorney Docket Number	SNY-R4846.02

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		Number-Kind Code <sup>2</sup> or Invention			
HS		US-6,549,229	4-15-2003	Kirby et al.	
HS		US-6,804,520	6-7-2005	Rosset et al.	
		US-			
		US-			
		US-			

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		Country Code <sup>3</sup> - Number <sup>2</sup> - Kind Code <sup>5</sup> (if known)				

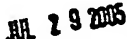
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HS		LIU, et al. "Motion Vector Encryption in Multimedia Streaming, 2004, IEEE, pages 64-71	

Examiner Signature	Hsuk SONG	Date Considered	12/23/05
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Application Number	10/038,032
Filing Date	1/2/2002
First Named Inventor	Candelore et al.
Art Unit	
Examiner Name	
Attorney Docket Number	SNY-R4646.02

Sheet	1	of	1
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## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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Examiner Signature	<i>H. SORR</i>	Date Considered	<i>6/12/06</i>
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<b>INFORMATION DISCLOSURE STATEMENT</b>	Application No.: 10/038,032	Sheet 1 of 1
	Docket No.: SNY-R4646.02	Group: 2611
	Filed: 01/02/2002	Conf. No.: 7076
	Applicant: Candelore et al.	



U.S. PATENT DOCUMENTS					
Exam. Init.	Document Number	Issue/Pub. Date	Name	Class	Filing Date

FOREIGN PATENT DOCUMENTS					
Exam. Init.	Document Number	Date	Country	Class	Translation

OTHER DOCUMENTS / CITATIONS	
Exam. Init.	Document
US	Chinese Patent Application No. 02828449.6 (PCT/US02/40054), First Office Action issued by Chinese Patent Office, April 7, 2006.

Examiner: H. Song	Date: 6/12/06
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LIST OF REFERENCES CITED BY APPLICANT(S)	Application No.: 10/038,032	Sheet 1 of 1
	Docket No.: SNY-R4646.02	Group: 2611
	Filed: 1/2/2002	Conf. No.: 7076
	Applicant: Candelore, et al.	

#### U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Issue/Pub. Date	Name	Class	Filing Date
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<b>LIST OF REFERENCES CITED BY APPLICANT(S)</b> 	Application No.: 10/038,032	Sheet 1 of 1
	Docket No.: SNY-R4646.02	Group: 2611
	Filed: 1/2/2002	Conf. No.: 7076
	Applicant: CANDELORE ET AL.	

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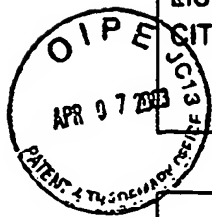
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HS	ANONYMOUS, New Digital Copy Protection Proposal Would Secure Authorized Copies, PR Newswire, November 1998, pages 1-3.
HS	"Pre-encryption Profiles Concept Overview and Proposal" Rev. 1.2, John B. Carlucci, December 5, 2000.

Examiner: <u>Hosuk SONG</u>	Date: <u>12/23/05</u>
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LIST OF REFERENCES CITED BY APPLICANT(S)	Application No.: 10/038,032	Sheet 1 of 2
	Docket No.: SNY-R4646.02	Group: 2611
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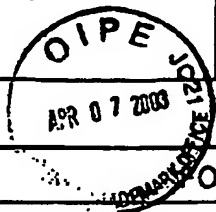
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Exam. Init.	Document Number	Issue/Pub. Date	Name	Class	Filing Date
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Examiner: Ho Suk Song	Date: 12/23/05
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LIST OF REFERENCES CITED BY APPLICANT(S)	Application No.: 10/038,032	Sheet 2 of 2
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HS	WO 00/31964	6/2/2000	PCT	—	NR
HS	WO 01/78386 A2	10/18/2001	PCT	—	NR

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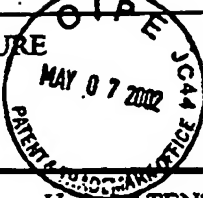
OTHER DOCUMENTS / CITATIONS	
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HS	ANONYMOUS, Message Authentication with Partial Encryption, Research disclosure RD 296086, 12/10/1988

Examiner: Hosuk Song	Date: 12/23/05
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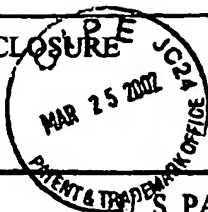


INFORMATION DISCLOSURE CITATION			Docket No.: SNY-R4646.02 Sheet 1 of 2 Serial No. : 10/038,032 Filing Date: 1/2/2002 Applicant: Candelore, et al.		
U. S. PATENT DOCUMENTS					
Exam. Init.	Document Number	Date	Name	Class	Filing Date
FOREIGN PATENT DOCUMENTS					
Exam. Init.	Document Number	Date	Country	Class	Translation
OTHER DOCUMENTS/CITATIONS					
HS	"Performance Study of a Selective Encryption Scheme for the Security of Networked, Real-Time Video" by Spanos and Maples, pages 2-10, 1995, IEEE				
HS	"An Empirical Study of Secure MPEG Video Transmissions" by Agi and Gong, pages 137-144, 1996, IEEE, Proceedings of SNDSS '96				
HS	"Selective Encryption and Watermarking of MPEG Video (Extended Abstract)" by Wu and Wu, February 17, 1997, submitted to International Conference on Image Science, Systems, and Technology, CISST'97				
HS	"An Efficient MPEG Video Encryption Algorithm" by Shi and Bhargava, pages 381-386, 1998 IEEE				
HS	"Comparison of MPEG Encryption Algorithms" by Qiao and Nahrstedt, January 17, 1998, Preprint submitted to Elsevier Science				
HS	"Applying Encryption to Video Communication" by Kunkelmann, pages 41-47, September, 1998, Multimedia and Security Workshop at ACM Multimedia '98, Bristol, U.K.				
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HS	"Efficient Frequency Domain Video Scrambling for Content Access Control" by Zeng and Lei, November 1999, In Proc. ACM Multimedia				
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<b>INFORMATION DISCLOSURE CITATION</b>		 Docket No.: SNY-R4646.02 Sheet 1 of 1 Serial No. : 10/038,032 Filing Date: 1/2/2002 Group: 2611 Applicant: Candelore, et al.			
<b>U. S. PATENT DOCUMENTS</b>					
Exam. Init.	Document Number	Date	Name	Class	Filing Date
#5	5,805,700	9/8/98	Nardone, et al.		10/15/96 <b>RECEIVED</b>
					MAY 13 2002
					Technology Center 2600
<b>FOREIGN PATENT DOCUMENTS</b>					
Exam. Init.	Document Number	Date	Country	Class	Translation
<b>OTHER DOCUMENTS/CITATIONS</b>					
#5	"Selective Encryption and Watermarking of MPEG Video (Extended Abstract)" by Wu and Wu, Feb 17, 1997, submitted to International Conference on Image Science, Systems, and Technology, CISST'97				
#5	"Run-Time Performance Evaluation for a Secure MPEG System Supporting Both Selective Watermarking and Encryption" by Wu and Wu, March 1, 1997, submitted to JSAC special issue on Copyright and Privacy Protection				
#5	"DVD Demystified - The Guidebook for DVD-Video and DVD-ROM" by Jim Taylor, Pub. McGraw-Hill, 1998, ISBN: 0-07-064841-7, pages 134-147				
#5	"Multimedia and Security Workshop at ACM Multimedia" '98. Bristol, U.K., September 1998				
#5	"A Report on Security Issues in Multimedia" by Gulwani, April 30, 2000, Dept. of Computer Science & Engineering, Indian Institute of Technology Kanpur				
EXAMINER: Hosuk Song			DATE CONSIDERED: 12/23/05		

**INFORMATION DISCLOSURE  
CITATION**



Docket No.: SNY-R4646.02 Sheet 1 of 1  
 Serial No. : 10/038,032  
 Filing Date: 1/2/2002 Group: 2611  
 Applicant: Candelore et al.

**U. S. PATENT DOCUMENTS**

Exam. Init.	Document Number	Date	Name	Class	Filing Date
HS	5,539,823	7/23/96	Martin	—	7/24/94
HS	5,600,721	2/4/97	Kitazato	—	7/27/94
HS	6,057,872	5/2/2000	Candelore	—	7/9/97

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**FOREIGN PATENT DOCUMENTS**

Exam. Init.	Document Number	Date	Country	Class	Translation

**OTHER DOCUMENTS/CITATIONS**

HS	"Pre-Encryption Profiles - Concept Overview and Proposal", Rev. 1.2 as submitted to the Open CAS consortium on Dec. 28, 2000.

**EXAMINER:** Hosuk Song

**DATE CONSIDERED:** 12/23/05



PTO/SB/08b (08-03)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2

of

2

**Complete if Known**

Application Number	10/038,032
Filing Date	1/2/2002
First Named Inventor	Candelore et al.
Art Unit	2611
Examiner Name	Grant, Christopher
Attorney Docket Number	SNY-R4646.02

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
HS		ALATTAR, A.M. et al., Improved selective encryption techniques for secure transmission of MPEG video bitstreams, 10/24/1999, Digimarc Corp., Lake Oswego, OR, USA, IEEE, pgs. 256-260	
HS		KUNKELMANN T. et al., A scalable security architecture for multimedia communication standards, Darmstadt Univ. of Technology, ITO, Germany, 1997, pgs. 660-661	
HS		YIP, KUN-WAH, Partial-encryption technique for intellectual property protection of FPGA-Based products, December 15, 1999, IEEE, pgs. 183-190	
HS		International Search Report for application no. PCT/US2004/032228	

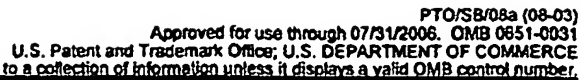
Examiner Signature	H. Song	Date Considered	6/12/06
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<b>Application Number</b>	10/038,032
<b>Filing Date</b>	1/2/2002
<b>First Named Inventor</b>	Candelore et al.
<b>Art Unit</b>	2811
<b>Examiner Name</b>	Grant, Christopher
<b>Attorney Docket Number</b>	SNY-R4646.02

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of US PTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 601.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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